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CLAIMS

[Claim(s)]

[Claim 1]A slot machine which changes two or more patterns of a pattern display for indication by an injection of a game medium to an entrance slot, and operation of a game start switch, and is made to suspend change of each pattern by predetermined stopping timing, comprising:

A liquid crystal operator display arranged at a front face of each pattern.

A front display control means on which said liquid crystal operator display is made to display a predetermined display.

Composition as which said two or more pattern displays for indication display two or more said patterns simultaneously, respectively.

From an identification part of truth of said game medium thrown into said entrance slot, and two or more predetermined combination depended on a pattern arranged by linear shape among each pattern. A prize one-stepped bracket complex doubling setting-out means to set up predetermined prize one-stepped bracket complex doubling according to the number of said game medium identified by said identification part as it is genuine. When it judges that a ***** decision means which judges whether combination of each pattern after suspending change is in agreement with said prize one-stepped bracket complex doubling [which was set up by said prize one-stepped bracket complex doubling, Have a **** means to perform **** and said front display control means, Composition which does not display said line display on said liquid crystal operator display in the state where display a line display in alignment with arrangement of each pattern of said prize one-stepped bracket complex doubling. I which was set up by said prize one-stepped bracket complex doubling I which was set up by said prize one-stepped bracket complex doubling. I which was set up by said prize one-stepped bracket complex doubling I which was set up by said prize one-stepped bracket complex doubling I which was pet up by said prize one-stepped bracket complex doubling setting-out means I on said liquid crystal operator display, and said game medium is not thrown in when said game medium is thrown in.

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DETAILED DESCRIPTION

[Detailed Description of the Invention]

[0001]

[Industrial Application] This invention relates to the slot machine which changes the pattern of two or more pattern displays for indication by an injection of the game medium to an entrance slot, and operation of a game start switch, and is made to suspend change of each pattern by predetermined stooping timing.

[0002]

[Description of the Prior Art]As this conventional kind of a slot machine, there are some which are shown in JP.54-130590.U. for example. That is, after throwing game media, such as a medal and coin, into an entrance slot, three drums which displayed the pattern are rotated, the button of a safety switch is pushed one by one, rotation of a drum is suspended, and the game medium of a predetermined number is ****(ed) according to the combination of each display after a stop. [0003]In this conventional slot machine, the number of the combination used as prize one-stepped bracket complex doubling differs according to the injection number of sheets of a game medium, and prize one-stepped bracket complex doubling. For example, when one game medium is thrown in. When it is the combination to which a pattern of the same kind is equal in the middle of three drums at a horizontal single tier and two game media are thrown in. It is the combination to which a pattern of the same kind is equal to a horizontal single tier in the upper row of three drums, the middle, or the lower berth, and when three game media are thrown in, the pattern of the same kind to a horizontal single tier serves as combination to which a pattern is equal at a slanting single tier in the upper row of three drums, the middle, or the lower berth. In order to show the upper row, the middle, the lower berth, and each slanting arrangement used as these prize one-stepped bracket complex doubling, the line in alignment with each arrangement is drawn near the drum of transverse-plane glass fixed.

[0004]

[Problem to be solved by the invention] However, in the conventional slot machine, when prize onestepped bracket complex doubling gathered, since it was changeless, the problem that the interest of a game was missing was among the others to which **** of a game medium is performed. [0005] Since the line which shows prize one-stepped bracket complex doubling irrespective of the injection number of sheets of a game medium in the conventional slot machine is fixed. If it was hard to grasp the arrangement used as prize one-stepped bracket complex doubling, and the interest of the game was missing and liquid crystal display of said line was only carried out from before a game start, there was a problem that it was deficient in change and the interest of a game was missing also from this point.

[0006]This invention was made that this problem should be solved and can display a display predetermined [. such as a line display in alignment with a **** display or the arrangement of prize one-stepped bracket complex doubling.]. When a game medium is thrown in, as a line display is

carried out according to the number of media, it is varied, and aims at providing the slot machine which the interest of the game increased.

[0007]

[Means for solving problem] In order to solve this purpose, the place made into the summary of this invention, In the slot machine which changes two or more patterns of a pattern display for indication by an injection of the game medium to an entrance slot, and operation of a game start switch, and is made to suspend change of each pattern by predetermined stopping timing, The liquid crystal operator display arranged at the front face of each pattern, and the front display control means on which said liquid crystal operator display is made to display a predetermined display, The composition as which said two or more pattern displays for indication display two or more said patterns simultaneously, respectively, From the identification part of the truth of said game medium thrown into said entrance slot, and two or more predetermined combination depended on the pattern arranged by linear shape among each pattern. A prize one-stepped bracket complex doubling setting-out means to set up predetermined prize one-stepped bracket complex doubling according to the number of said game medium identified by said identification part as it is genuine, When it judges that the **** decision means which judges whether the combination of each pattern after suspending change is in agreement with said prize one-stepped bracket complex doubling [which was set up by said prize one-stepped bracket complex doubling setting-out means], and said **** decision means are in agreement with said prize one-stepped bracket complex doubling, Have a **** means to perform ****, and said front display control means displays the line display in alignment with the arrangement of each pattern of said prize one-stepped bracket complex doubling [which was set up by said prize one-stepped bracket complex doubling setting-out means] on said liquid crystal operator display, when said game medium is thrown in, And in the state where said game medium is not thrown in, it consists in the slot machine having the composition which does not display said line display on said liquid crystal operator display.

[8000]

[Function]In the front face of the pattern of a pattern display for indication, by a front display control means, a liquid crystal operator display changes by the shaded state and a transmission state selectively, and performs a predetermined display.

[0009]When a display control means displays a ***** display on a liquid crystal operator display, or in having a sound or a vibration generating means, it is rich in the change in the case of *****.

[0010]When a display control means displays the line display in alignment with the arrangement of each pattern of prize one-stepped bracket complex doubling, it is easy to grasp the arrangement used as prize one-stepped bracket complex doubling.

[0011]In the state where a game medium is not thrown in, when a game medium is thrown in, the line display in alignment with the arrangement of each pattern of prize one-stepped bracket complex doubling [which was set up by the prize one-stepped bracket complex doubling setting-out means] is displayed on a liquid crystal operator display, without displaying the line display on the liquid crystal operator display. Thereby, a line can shine and the excitability by throwing in a game medium can be increased.

[0012]

[Working example]Hereafter, one embodiment of this invention is described based on Drawings. <u>Drawing 1.— drawing 4</u> show one embodiment of this invention. As shown in <u>drawing 2</u>, the slot machine 10 is installing the three liquid crystal pattern displays for indication 20a, 20b, and 20c longwise at the front 11a of the box 11 in a transverse direction side by side. The liquid crystal pattern displays for indication 20a, 20b, and 20c shine brightly with a back light, and the pattern 24 displayed is made visible [displays for indication].

[0013]The liquid crystal operator display 40 is formed in the transverse plane 11a of a front face of the liquid crystal pattern displays for indication 20a, 20b, and 20c. The liquid crystal operator display 40 is arranged at a front face of each pattern 24, and using liquid crystal glass, although it is usually in a light transmission state, it displays by changing with energization to a shaded state selectively. Corresponding to each, the three stopping operation switches 25a, 25b, and 25c are formed in a lower part of the liquid crystal pattern displays for indication 20a, 20b, and 20c. The stopping operation switches 25a, 25b, and 25c are the earth switches for choosing stopping timing of change of the pattern 24 of the liquid crystal pattern displays for indication 20a, 20b, and 20c. The entrance slot 12 and the game start switch 13 of a medal used as a game medium are formed in the transverse plane 11a. The identification part 14 which identifies truth of a medal thrown into the entrance slot 12 is formed in an inside of the slot machine 10.

[0014]The control device 30 shown in <u>drawing 3</u> is formed in an inside of the slot machine 10. In the control device 30, the pattern display control means 31, the prize one-stepped bracket complex doubling setting—out means 32, the ***** decision means 33, and the front display control means 34 are formed. When the pattern display control means 31 identifies Shinsei of a medal in which the identification part 14 was supplied, according to operation of the game start switch 14, the three liquid crystal pattern displays for indication 20a, 20b, and 20c are alike, respectively—a lengthwise direction — two or more kinds of patterns 24, such as a picture, a sign, a number, and a character, — a top — or it is made to change and is made to display so that it may slide caudad The pattern display control means 31 is predetermined stopping timing, i.e., stopping timing with selected operation of the three stopping operation switches 25a, 25b, and 25c, Change of the pattern 24 of a liquid crystal pattern display for indication 20a, 20b, and 20c is suspended.

[0015]The prize one-stepped bracket complex doubling setting-out means 32 sets up prize onestepped bracket complex doubling according to the number of a medal identified by the identification
part 14 as it is genuine from two or more predetermined combination depended on the pattern 24
arranged on a straight line among each pattern 24. It is judged whether combination of the ****
decision means 33 of each pattern 24 after suspending change of the liquid crystal pattern displays
for indication 20a, 20b, and 20c corresponds with predetermined prize one-stepped bracket complex
doubling, double [i.e., / to which it was set by the prize one-stepped bracket complex doubling
setting-out means 32 / prize one-stepped bracket complex].

[0016]The front display control means 34 displays on a front face of each pattern 24 the line displays 35a–35e in alignment with arrangement of each pattern 24 of prize one-stepped bracket complex doubling [which was set as the liquid crystal operator display 40 by the prize one-stepped bracket complex doubling setting-out means 32]. When it judges that the ***** decision means 33 of the front display control means 34 corresponds with prize one-stepped bracket complex doubling, a predetermined **** display is displayed on the liquid crystal operator display 40. A blink display of the line displays 35a–35e in alignment with arrangement of each pattern 24 judged that the ***** decision means 33 is in agreement with prize one-stepped bracket complex doubling as a predetermined ***** display, Frame display 36 grade which the ***** decision means 33 of the liquid crystal operator display 40 surrounds a position corresponding to each pattern 24 judged to be prize one-stepped bracket complex doubling, and blinks is displayed.

[0017]Prize one-stepped bracket complex doubling and the line displays 35a-35e corresponding to it to the state where a medal shown in <u>drawing 4</u> (A) is not thrown in, For example, when the number of a medal identified by the identification part 14 is one piece, as the line display 35a shows to <u>drawing 4</u> (B), it is the combination to which the three ***** patterns 24, for example, "7", are located in a line just beside in each middle with the three liquid crystal pattern displays for indication 20a, 20b, and 20c. When the number of a medal is two pieces, as the line displays 35a-35c show to <u>drawing 4</u> (C), it is the combination to which the three ***** patterns 24 are located in a line just beside in each upper row, the middle, or the lower berth with the three liquid crystal pattern displays for indication 20a, 20b, and 20c. When the number of a medal is three pieces, as the line displays 35a-35e show to <u>drawing 4</u> (D), With the three liquid crystal pattern displays for indication 20a, 20b, and 20c, acond 20c, acond 20c, each upper row, The three ***** patterns 24 in either the middle or the lower

berth in combination located in a line just beside. In combination aslant located in a line, the three patterns 24 of the same kind on the lower berth of the left-hand side liquid crystal pattern display for indication 20a, the middle of the central liquid crystal pattern display for indication 20b, and the upper row of the right-hand side liquid crystal pattern display for indication 20c. Or the three **** patterns 24 are one combination of the combination aslant located in a line in the upper row of the left-hand side liquid crystal pattern display for indication 20a, the middle of the central liquid crystal pattern display for indication 20b, and the lower berth of the right-hand side liquid crystal pattern display for indication 20c.

[0018]The sound generating means 37 is formed in an inside of the box 11. A sound which tells that the sound generating means 37 had ***** according to judgment of the ***** decision means 33 is generated. The ***** means 38 is formed in the box 11. When it judges that the ***** decision means 33 of the **** means 38 corresponds with prize one-stepped bracket complex doubling, two or more medals are discharged as a prize in ******* 39 provided in the lower part of the box 11. [0019]The control device 30 a function of the pattern display control means 31, the prize one-stepped bracket complex doubling setting-out means 32, the **** decision means 33, and the front display control means 34 A programmable microcomputer, Or it can realize, using a thing equivalent to this suitably, a microcomputer realizes, then a central processing unit, read-only memory, random access memory, an interface, etc. are arranged and constituted.

[0020] Next, an operation is explained. When performing a game, a medal of the number according to prize one-stepped bracket complex doubling [which it is going to set it as the entrance slot 12] is thrown in first. Namely, as shown in (B) of drawing 4, in setting up one prize one-stepped bracket complex doubling. One medal is thrown in, as shown in (C) of drawing 4, in setting up three prize one-stepped bracket complex doubling, it throws in two medals, and as shown in (D) of drawing 4, in setting up five prize one-stepped bracket complex doubling, it throws in three medals. [0021] If the thrown-in medal is identified by the identification part 14 as it is genuine, while prize one-stepped bracket complex doubling will be set up according to the identified number by the prize one-stepped bracket complex doubling setting-out means 32, As the front display control means 34 shows to drawing 1 (A) according to the supplied number, the line displays 35a-35e are displayed on the liquid crystal operator display 40. Although the liquid crystal operator display 40 is usually in a light transmission state and each pattern 24 of the liquid crystal pattern displays for indication 20a, 20b, and 20c is shown as the transverse-plane side. When a display is performed by the front display control means 34, in the front face of each pattern 24, the portion into which a display is performed changes with energization to a shaded state, and a predetermined display is performed. These line displays 35a-35e are displayed corresponding to the thick line shown by (B) of drawing 4, (C), and (D). Since it becomes easy to grasp the arrangement used as prize one-stepped bracket complex doubling by the line displays 35a-35e, the interest of a game is increased. In the state where a medal is not thrown in, the line displays 35a-35e are not displayed on the liquid crystal operator display 40. Next, if the game start switch 13 is pushed and operated, it will change and the pattern 24 displayed on the three liquid crystal pattern displays for indication 20a, 20b, and 20c will be displayed by the pattern display control means 31 so that it may slide upwards from under the bottom from a top one after another by two or more kinds of patterns.

[0022]If the stopping operation switches 25a, 25b, and 25c are pushed at this time, change of the pattern 24 of the corresponding liquid crystal pattern displays for indication 20a, 20b, and 20c will stop by the stopping timing according to that operation. The stopped pattern 24 Either of prize one-stepped bracket complex doubling. Or when in agreement with all (i.e., when it laps with either of the line displays 35a-35e displayed on the liquid crystal operator display 40 and the ***** pattern 24 is displayed), the **** means 38 **** a medal to ******* 3b by the ***** decision means 33. [0023]The sound which tells that the sound generating means 37 *****(ed) simultaneously with **** is emitted, and a **** display is displayed on the liquid crystal operator display 40 by the front display control means 34. Thus, since it is rich in the change in the case of *****, the interest of a

game is increased. As a **** display, the blink display of the line displays 35a-35e in alignment with the arrangement of each pattern 24 which was in agreement with prize one-stepped bracket complex doubling, and the frame display 36 which surrounds the position corresponding to each pattern 24, and blinks are displayed on the liquid crystal operator display 40. Or these may be combined suitably. A speculative spirit can be instigated while this tells in which arrangement prize one-stepped bracket complex doubling was displayed. When the stopped pattern 24 is not in agreement with prize one-stepped bracket complex doubling, neither ****, nor a **** display and generating of a sound is performed.

[0024]The liquid crystal pattern displays for indication 20a, 20b, and 20c can make depth thin compared with the case where the drum 3 is used, without changing the number and the size of the pattern 24, and, for this reason, can make thin depth of slot machine 10 the very thing. Although what has three liquid crystal pattern displays for indication was explained, it may not restrict to three pieces and they may be what kind of the two or more number.

[0025]Although the liquid crystal pattern display for indication which displays with liquid crystal glass is used as a pattern display for indication in this example instead, what displays on the drum which gives a pattern to the usual circumference and rotates to it may be used. Stopping timing is chosen according to operation of a stopping operation switch, and also it may be automatically chosen by progress of fixed time after change of a display of a pattern.

[0026]In the state where a medal is not thrown in, all the line displays which can be displayed may be displayed, or it may leave the line display displayed in the last game to instead of [which does not display a line display on a liquid crystal operator display] as it is, and it may be displayed on it. The sound which a sound generating means emits may be voice which forms language. A sound generating means may emit the sound which tells that, when **** besides when **** is performed is not performed. It may be made to increase force when **** is performed by establishing a vibration generating means with the sound generating means instead of a sound generating means. [0027]

[Effect of the Invention]According to the slot machine concerning this invention, a liquid crystal operator display in the front face of a pattern. If a display predetermined [, such as a line display in alignment with a **** display or the arrangement of prize one-stepped bracket complex doubling,] can be displayed and a liquid crystal operator display displays a **** display, It is rich in the change in the case of ****, and since it will be easy to grasp the arrangement used as prize one-stepped bracket complex doubling if the line display to which the liquid crystal operator display met the arrangement of each pattern of prize one-stepped bracket complex doubling is displayed, the interest of a game is increased. In the state where a game medium is not thrown in. Since the line display in alignment with the arrangement of each pattern of prize one-stepped bracket complex doubling [which was set up by the prize one-stepped bracket complex doubling setting—out means] was displayed on the liquid crystal operator display when a game medium was thrown in without displaying the line display on the liquid crystal operator display. A line can shine and the speculative spirit to the increase of excitability by throwing in a game medium and a game can be instigated.

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TECHNICAL FIELD

[Industrial Application] This invention relates to the slot machine which changes the pattern of two or more pattern displays for indication by an injection of the game medium to an entrance slot, and operation of a game start switch, and is made to suspend change of each pattern by predetermined stopping timing.

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PRIOR ART

Description of the Prior Art As this conventional kind of a slot machine, there are some which are shown in JP.54-130590.U. for example. That is, after throwing game media, such as a medal and coin, into an entrance slot, three drums which displayed the pattern are rotated, the button of a safety switch is pushed one by one, rotation of a drum is suspended, and the game medium of a predetermined number is ****(ed) according to the combination of each display after a stop. [0003] In this conventional slot machine, the number of the combination used as prize one-stepped bracket complex doubling differs according to the injection number of sheets of a game medium, and prize one-stepped bracket complex doubling. For example, when one game medium is thrown in. When it is the combination to which a pattern of the same kind is equal in the middle of three drums at a horizontal single tier and two game media are thrown in. It is the combination to which a pattern of the same kind is equal to a horizontal single tier in the upper row of three drums, the middle, or the lower berth, and when three game media are thrown in, the pattern of the same kind to a horizontal single tier serves as combination to which a pattern is equal at a slanting single tier in the upper row of three drums, the middle, or the lower berth. In order to show the upper row, the middle, the lower berth, and each slanting arrangement used as these prize one-stepped bracket complex doubling, the line in alignment with each arrangement is drawn near the drum of transverse-plane glass fixed.

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EFFECT OF THE INVENTION

[Effect of the Invention] According to the slot machine concerning this invention, a liquid crystal operator display in the front face of a pattern. If a display predetermined [, such as a line display in alignment with a **** display or the arrangement of prize one-stepped bracket complex doubling,] can be displayed and a liquid crystal operator display displays a **** display, It is rich in the change in the case of ****, and since it will be easy to grasp the arrangement used as prize one-stepped bracket complex doubling if the line display to which the liquid crystal operator display met the arrangement of each pattern of prize one-stepped bracket complex doubling is displayed, the interest of a game is increased. In the state where a game medium is not thrown in. Since the line display in alignment with the arrangement of each pattern of prize one-stepped bracket complex doubling setting-out means] was displayed on the liquid crystal operator display when a game medium was thrown in without displaying the line display on the liquid crystal operator display. A line can shine and the speculative spirit to the increase of excitability by throwing in a game medium and a game can be instigated.

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TECHNICAL PROBLEM

[Problem to be solved by the invention] However, in the conventional slot machine, when prize one-stepped bracket complex doubling gathered, since it was changeless, the problem that the interest of a game was missing was among the others to which ****** of a game medium is performed. [0005] Since the line which shows prize one-stepped bracket complex doubling irrespective of the injection number of sheets of a game medium in the conventional slot machine is fixed, If it was hard to grasp the arrangement used as prize one-stepped bracket complex doubling, and the interest of the game was missing and liquid crystal display of said line was only carried out from before a game start, there was a problem that it was deficient in change and the interest of a game was missing also from this point.

[0006]This invention was made that this problem should be solved and can display a display predetermined [, such as a line display in alignment with a **** display or the arrangement of prize one-stepped bracket complex doubling,], When a game medium is thrown in, as a line display is carried out according to the number of media, it is varied, and aims at providing the slot machine which the interest of the game increased.

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MEANS

[Means for solving problem] In order to solve this purpose, a place made into a summary of this invention. In a slot machine which changes two or more patterns of a pattern display for indication by an injection of a game medium to an entrance slot, and operation of a game start switch, and is made to suspend change of each pattern by predetermined stopping timing, A liquid crystal operator display arranged at a front face of each pattern, and a front display control means on which said liquid crystal operator display is made to display a predetermined display. Composition as which said two or more pattern displays for indication display two or more said patterns simultaneously. respectively. From an identification part of truth of said game medium thrown into said entrance slot, and two or more predetermined combination depended on a pattern arranged by linear shape among each pattern. A prize one-stepped bracket complex doubling setting-out means to set up predetermined prize one-stepped bracket complex doubling according to the number of said game medium identified by said identification part as it is genuine. When it judges that a **** decision means which judges whether combination of each pattern after suspending change is in agreement with said prize one-stepped bracket complex doubling [which was set up by said prize one-stepped bracket complex doubling setting-out means 1, and said **** decision means are in agreement with said prize one-stepped bracket complex doubling. Have a **** means to perform ****, and said front display control means displays a line display in alignment with arrangement of each pattern of said prize one-stepped bracket complex doubling which was set up by said prize one-stepped bracket complex doubling setting-out means I on said liquid crystal operator display, when said game medium is thrown in. And in the state where said game medium is not thrown in, it consists in a slot machine having the composition which does not display said line display on said liquid crystal operator display.

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OPERATION

[Function]In the front face of the pattern of a pattern display for indication, by a front display control means, a liquid crystal operator display changes by the shaded state and a transmission state selectively, and performs a predetermined display.

[0009]When a display control means displays a ***** display on a liquid crystal operator display, or in having a sound or a vibration generating means, it is rich in the change in the case of *****
[0010]When a display control means displays the line display in alignment with the arrangement of

[U010]When a display control means displays the line display in alignment with the arrangement of each pattern of prize one-stepped bracket complex doubling, it is easy to grasp the arrangement used as prize one-stepped bracket complex doubling.

[0011]In the state where a game medium is not thrown in, when a game medium is thrown in, the line display in alignment with the arrangement of each pattern of prize one-stepped bracket complex doubling [which was set up by the prize one-stepped bracket complex doubling setting-out means] is displayed on a liquid crystal operator display, without displaying the line display on the liquid crystal operator display. Thereby, a line can shine and the excitability by throwing in a game medium can be increased.

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FXAMPI F

[Working example]Hereafter, one embodiment of this invention is described based on Drawings. <u>Drawing 1</u> – <u>drawing 4</u> show one embodiment of this invention. As shown in <u>drawing 2</u>, the slot machine 10 is installing the three liquid crystal pattern displays for indication 20a, 20b, and 20c longwise at the front 11a of the box 11 in a transverse direction side by side. The liquid crystal pattern displays for indication 20a, 20b, and 20c shine brightly with a back light, and the pattern 24 displayed for indication 12 in side visual pattern 24 displayed is made visible I displayed for indication 12.

[0013]The liquid crystal operator display 40 is formed in the transverse plane 11a of the front face of the liquid crystal pattern displays for indication 20a, 20b, and 20c. The liquid crystal operator display 40 is arranged at the front face of each pattern 24, and using liquid crystal glass, although it is usually in a light transmission state, it displays by changing with energization to a shaded state selectively. Corresponding to each, the three stopping operation switches 25a, 25b, and 25c are formed in the lower part of the liquid crystal pattern displays for indication 20a, 20b, and 20c. The stopping operation switches 25a, 25b, and 25c are the earth switches for choosing the stopping timing of change of the pattern 24 of the liquid crystal pattern displays for indication 20a, 20b, and 20c. The entrance slot 12 and the game start switch 13 of the medal used as a game medium are formed in the transverse plane 11a. The identification part 14 which identifies the truth of the medal thrown into the entrance slot 12 is formed in the inside of the slot machine 10.

[0014]The control device 30 shown in <u>drawing 3</u> is formed in the inside of the slot machine 10. In the control device 30, the pattern display control means 31, the prize one—stepped bracket complex doubling setting—out means 32, the ***** decision means 33, and the front display control means 34 are formed. When the pattern display control means 31 identifies Shinsei of the medal in which the identification part 14 was supplied, according to operation of the game start switch 14, the three liquid crystal pattern displays for indication 20a, 20b, and 20c are alike, respectively — a lengthwise direction — two or more kinds of patterns 24, such as a picture, a sign, a number, and a character, — a top — or it is made to change and is made to display so that it may slide caudad The pattern display control means 31 is predetermined stopping timing, i.e., stopping timing with selected operation of the three stopping operation switches 25a, 25b, and 25c, Change of the pattern displays for indication 20a, 20b, and 20c is suspended.

[0015]The prize one-stepped bracket complex doubling setting-out means 32 sets up prize onestepped bracket complex doubling according to the number of the medal identification part 14 as it is genuine from two or more predetermined combination depended on the
pattern 24 arranged on a straight line among each pattern 24. It is judged whether the combination
of the **** decision means 33 of each pattern 24 after suspending change of the liquid crystal
pattern displays for indication 20a, 20b, and 20c corresponds with predetermined prize one-stepped
bracket complex doubling, double [i.e., / to which it was set by the prize one-stepped bracket
complex doubling setting-out means 32 / prize one-stepped bracket complex].

[0016]The front display control means 34 displays on a front face of each pattern 24 the line displays 35a-35e in alignment with arrangement of each pattern 24 of prize one-stepped bracket complex doubling [which was set as the liquid crystal operator display 40 by the prize one-stepped bracket complex doubling setting-out means 32]. When it judges that the **** decision means 33 of the front display control means 34 corresponds with prize one-stepped bracket complex doubling, a predetermined **** display is displayed on the liquid crystal operator display 40. A blink display of the line displays 35a-35e in alignment with arrangement of each pattern 24 judged that the **** decision means 33 is in agreement with prize one-stepped bracket complex doubling as a predetermined **** display, Frame display 36 grade which the **** decision means 33 of the liquid crystal operator display 40 surrounds a position corresponding to each pattern 24 judged to be prize one-stepped bracket complex doubling, and blinks is displayed.

[0017]Prize one-stepped bracket complex doubling and the line displays 35a-35e corresponding to it to the state where a medal shown in drawing 4 (A) is not thrown in, For example, when the number of a medal identified by the identification part 14 is one piece, as the line display 35a shows to drawing 4 (B), it is the combination to which the three **** patterns 24, for example, "7", are located in a line just beside in each middle with the three liquid crystal pattern displays for indication 20a, 20b, and 20c. When the number of a medal is two pieces, as the line displays 35a-35c show to drawing 4 (C), it is the combination to which the three **** patterns 24 are located in a line just beside in each upper row, the middle, or the lower berth with the three liquid crystal pattern displays for indication 20a, 20b, and 20c. When the number of a medal is three pieces, as the line displays 35a-35e show to drawing 4 (D), With the three liquid crystal pattern displays for indication 20a, 20b, and 20c, each upper row, The three **** patterns 24 in either the middle or the lower berth in combination located in a line just beside. In combination aslant located in a line, the three patterns 24 of the same kind on the lower berth of the left-hand side liquid crystal pattern display for indication 20a, the middle of the central liquid crystal pattern display for indication 20b, and the upper row of the right-hand side liquid crystal pattern display for indication 20c. Or the three **** patterns 24 are one combination of the combination aslant located in a line in the upper row of the left-hand side liquid crystal pattern display for indication 20a, the middle of the central liquid crystal pattern display for indication 20b, and the lower berth of the right-hand side liquid crystal pattern display for indication 20c.

[0018]The sound generating means 37 is formed in the inside of the box 11. The sound which tells that the sound generating means 37 had ***** according to judgment of the ***** decision means 33 is generated. The ***** means 38 is formed in the box 11. When it judges that the ***** decision means 33 of the **** means 38 corresponds with prize one-stepped bracket complex doubling, two or more medals are discharged as a prize in ****** 39 provided in the lower part of the box 11. [0019]The control device 30 the function of the pattern display control means 31, the prize one-stepped bracket complex doubling setting-out means 32, the **** decision means 33, and the front display control means 34 A programmable microcomputer, Or it can realize, using a thing equivalent to this suitably, a microcomputer realizes, then a central processing unit, read-only memory, random access memory, an interface, etc. are arranged and constituted.

[0020]Next, an operation is explained, When performing a game, the medal of the number according to prize one-stepped bracket complex doubling [which it is going to set it as the entrance slot 12] is thrown in first. Namely, as shown in (B) of <u>drawing 4</u>, in setting up one prize one-stepped bracket complex doubling. One medal is thrown in, as shown in (C) of <u>drawing 4</u>, in setting up three prize one-stepped bracket complex doubling, it throws in two medals, and as shown in (D) of <u>drawing 4</u>, in setting up five prize one-stepped bracket complex doubling, it throws in three medals.

[0021] If the thrown-in medal is identified by the identification part 14 as it is genuine, while prize one-stepped bracket complex doubling will be set up according to the identified number by the prize one-stepped bracket complex doubling setting-out means 32, As the front display control means 34 shows to drawing 1 (A) according to the supplied number, the line displays 35a-35e are displayed on

the liquid crystal operator display 40. Although the liquid crystal operator display 40 is usually in a light transmission state and each pattern 24 of the liquid crystal pattern displays for indication 20a, 20b, and 20c is shown as the transverse-plane side, When a display is performed by the front display control means 34, in the front face of each pattern 24, the portion into which a display is performed changes with energization to a shaded state, and a predetermined display is performed. These line displays 35a-35e are displayed corresponding to the thick line shown by (B) of <u>drawing 4</u>, (C), and (D). Since it becomes easy to grasp the arrangement used as prize one-stepped bracket complex doubling by the line displays 35a-35e, the interest of a game is increased. In the state where a medal is not thrown in, the line displays 35a-35e are not displayed on the liquid crystal operator display 40. Next, if the game start switch 13 is pushed and operated, it will change and the pattern 24 displayed on the three liquid crystal pattern displays for indication 20a, 20b, and 20c will be displayed by the pattern display control means 31 so that it may slide upwards from under the bottom from a top one after another by two or more kinds of patterns.

[0022] If the stopping operation switches 25a, 25b, and 25c are pushed at this time, change of the pattern 24 of the corresponding liquid crystal pattern displays for indication 20a, 20b, and 20c will stop by the stopping timing according to that operation. The stopped pattern 24 Either of prize onestepped bracket complex doubling, Or when in agreement with all (i.e., when it laps with either of the line displays 35a-35e displayed on the liquid crystal operator display 40 and the **** pattern 24 is displayed), the **** means 38 **** a medal to ****** 39 by the **** decision means 33. [0023]The sound which tells that the sound generating means 37 ****(ed) simultaneously with **** is emitted, and a **** display is displayed on the liquid crystal operator display 40 by the front display control means 34. Thus, since it is rich in the change in the case of ****, the interest of a game is increased. As a **** display, the blink display of the line displays 35a-35e in alignment with the arrangement of each pattern 24 which was in agreement with prize one-stepped bracket complex doubling, and the frame display 36 which surrounds the position corresponding to each pattern 24, and blinks are displayed on the liquid crystal operator display 40. Or these may be combined suitably. A speculative spirit can be instigated while this tells in which arrangement prize one-stepped bracket complex doubling was displayed. When the stopped pattern 24 is not in agreement with prize one-stepped bracket complex doubling, neither ****, nor a **** display and generating of a sound is performed.

[0024]The liquid crystal pattern displays for indication 20a, 20b, and 20c can make depth thin compared with the case where the drum 3 is used, without changing the number and the size of the pattern 24, and, for this reason, can make thin depth of slot machine 10 the very thing. Although what has three liquid crystal pattern displays for indication was explained, it may not restrict to three pieces and they may be what kind of the two or more number.

[0025]Although the liquid crystal pattern display for indication which displays with liquid crystal glass is used as a pattern display for indication in this example instead, what displays on the drum which gives a pattern to the usual circumference and rotates to it may be used. Stopping timing is chosen according to operation of a stopping operation switch, and also it may be automatically chosen by progress of fixed time after change of a display of a pattern.

[0026]In the state where a medal is not thrown in, all the line displays which can be displayed may be displayed, or it may leave the line display displayed in the last game to instead of [which not display a line display on a liquid crystal operator display] as it is, and it may be displayed on it. The sound which a sound generating means emits may be voice which forms language. A sound generating means may emit the sound which tells that, when ***** besides when ***** is performed is not performed. It may be made to increase force when ***** is performed by establishing a vibration generating means with the sound generating means instead of a sound generating means.

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DESCRIPTION OF DRAWINGS

[Brief Description of the Drawings]

[Drawing 1] It is an outline front view of the liquid crystal pattern display for indication which displayed the **** display of the slot machine of one embodiment of this invention.

[Drawing 2]It is a front view of a slot machine.

[Drawing 3]It is a block diagram showing the function of a slot machine.

[Drawing 4] It is an outline front view of a liquid crystal pattern display for indication showing prize one-stepped bracket complex doubling.

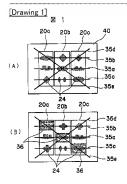
[Explanations of letters or numerals]

10 [— Game start switch,] — A slot machine, 11 — A box, 12 — An entrance slot, 13 14 — An identification part, 20a, 20b, 20c — A liquid crystal pattern display for indication, 24 — Pattern, 25a, 25b, 25c — A stopping operation switch, 30 — A control device, 31 — Pattern display control means, 32 [— A line display, 36 / — A frame display, 37 / — A sound generating means, 38 / — A **** means, 39 / — ****** 40 / — Liquid crystal operator display,] — A prize one-stepped bracket complex doubling setting—out means, 33 — A **** decision means, 34 — A front display control means, 35a-35e

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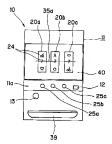
DRAWINGS



20 d~20 c:液晶絵柄表示器 24:絵柄 35 g~35 d:ライン表示 36:枠表示 40:液晶前面表示器

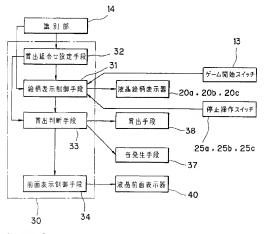
[Drawing 2]

⊠ 2

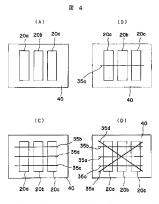


[Drawing 3]

⊠ 3



[Drawing 4]



[Translation done.]

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CORRECTION OR AMENDMENT

[Kind of official gazette]Printing of amendment by regulation of Patent Law Article 17 of 2 [Section Type] The 2nd Type of the part I gate [Publication date]Heisei 8(1996) (1996) October 8

[Publication No.]JP,6-142279,A
[Date of Publication]Heisei 6(1994) (1994) May 24
[Annual volume number] Publication of patent applications 6-1423
[Application number]Japanese Patent Application No. 5-134801
[International Patent Classification (6th Edition)]

A63F 5/04 512

516

7/02 320

9/00 511

[FI]

A63F 5/04 512 8403-20

516 A 8403-2C

516 C 8403-2C

7/02 320 7017-2C

9/00 511 C 8603-2C

[Written Amendment]

[Filing date]Heisei 7(1995) May 16

[Amendment 1]

[Document to be Amended]Description

[Item(s) to be Amended]0024

[Method of Amendment]Change

[Proposed Amendment]

[0024]The liquid crystal pattern displays for indication 20a, 20b, and 20c can make depth thin compared with the case where the drum 3 is used, without changing the number and the size of the pattern 24, and, for this reason, can make thin depth of slot machine 10 the very thing. Although what has three liquid crystal pattern displays for indication was explained, it does not restrict to three pieces.

特開平6-142279

(43)公開日 平成6年(1994)5月24日

(51)Int.Cl. ⁵ A 6 3 F	5/04	織別記号 512	庁内整理番号 8703-2C	F I	技術表示簡序
		516 A			
		C			
	7/02	320	7017-2C		
	9/00	511 C	8703-2C		
				:	審査請求 未請求 請求項の数1(全 7 頁)
(21)出願番号		特顧平5-134801		(71)出願人	000127628
(62)分割の表示		特顧平2-403783の分割			株式会社エース電研
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(54) 【発明の名称】 スロットマシン

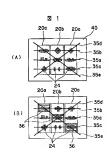
(57)【要約】

【目的】ゲームの変化を富ませ、ゲームの面白みを増進 する. 【構成】液晶前面表示器40が絵柄の前面で、賞出表示

や賞出組合せの配列に沿ったライン表示等の所定の表示 を表示することができ、液晶前面表示器40が賞出表示 を表示すると、賞出の際の変化に富み、液晶前面表示器 40が賞出組合せの各絵柄の配列に沿ったライン表示を 表示すると、賞出組合せとなる配列を把握しやすいた め、ゲームの面白みを増進することができ、さらに、ゲ ーム媒体が投入されない状態では、液晶前面表示器40 にライン表示を表示していないで、ゲーム媒体が投入さ

れた際に、賞出組合せ設定手段32により設定された賞 出組合せの各絵柄の配列に沿ったライン表示を液晶前面 表示器40に表示するようにしたので、ラインが光っ て、ゲーム媒体を投入することによる興奮性を増し、遊

技に対する射幸心をあおることができる。



40:液晶剂面表示器

【特許請求の範囲】

【請求項1】投入口へのゲーム媒体の投入とゲーム開始 スイッチの操作により終柄表示器の複数の終柄を変化さ せ、所定の停止タイミングで各絵柄の変化を停止させる スロットマシンにおいて、

各絵柄の前面に配置された液晶前面表示器と、

前記液晶前面表示器に所定の表示を表示させる前面表示 制御手段と、

前記複数の絵柄表示器はそれぞれ前記絵柄を同時に複数 表示する構成と、

前記投入口に投入された前記ゲーム媒体の真偽の識別部と、

各絵柄のうち直線状に配列される絵柄による複数の所定 の組合せから、前記説別部により真正と識別された前記 ゲーム媒体の個数に応じて、所定の質出組合せを設定す る質出組合せ設定手段と、

変化を停止後の各絵柄の組合せが、前記賞出組合せ設定 手段により設定された前記賞出組合せと一致するか否か を判断する賞出判断手段と、

前記賞出判断手段が前記賞出組合せと一致すると判断したとき、賞出を行う賞出手段とを有し、

前記前面表示制脚手段は、前記ゲーム媒体が発入された 際に、前記責出場合せ設定手段により設定された前記責 旧組合せの各絵柄の配列に沿ったライン表示を前記液晶 前面表示器に表示し、かつ、前記ゲーム媒体が発入され ない状態では、前記液晶前面表示器に前記ライン表示を 表示しない構成を有することを特徴とするスロットマシ ン

【発明の詳細な説明】

[0001]

【産業上の利用分野】本発明は、投入口へのゲーム媒体 の投入とゲーム開始スイッチの操作により複数の絵柄表 示器の絵柄を変化させ、所定の停止タイミングで各絵柄 の変化を停止させるスロットマシンに関する。

[0002]

【従来の技術】従来のこの種のスロットマシンとして、 例えば、実際店は-130500 号公報に示すものがある。す なわち、投入口にメダルやコイン等のゲール媒体を投入 した後、図柄を表示した3個のドラムを回転させ、停止 スイッチのボタンを順次押してドラムの回転を停止し、 停止後の各表示の組合せに応じて、所定数のゲーム媒体 を費出するようになっている。

【0003】この従来のスロットマシンでは、ゲーム様 作の投入状数に応じて、費出組合せとなる組合かせの数 が異なっており、質出組合せは、例えば、ゲーム媒体を 1個投入した場合には、3個のドラムの中段で様一列に 同概な絵符が高り組合せてあり、ゲーム媒体を と、3個のドラムの上段、中段、下段のいず れかで海一列に同様の途符が備う組合せであり、ゲーム 媒体を3個投入した場合には、3個のドラムの上段、中 段、下段のいずれかで機一列に同種の絵柄が揃うか、あ るいは緑め一列に絵柄が揃う組合せとなっている。これ らの賞出組合せとなる上段、中段、下段、斜めの各配列 を示すために、正面ガラスのドラム付近には、各配列に 沿ったラインが固定的に描かれている。

[0004]

【発明が解決しようとする課題】しかしながら、従来の スロットマシンでは、實情報合せが確ったとき、ゲーム 媒体の賞出が行われるほかには、変化がないため、ゲー ムの面白みに欠けるという問題点があった。

[0005]また、従来のスロットマシンでは、ゲーム 媒体の投入技数にかかわらず質用組合せを示す今インは 固定的であるため、賞出組合せとなる配列を把握してく く、ゲームの面白みに欠け、また、前記ラインをゲーム 開始額から単に常品表示したのでは、変化に乏しく、こ の点からもゲームの面白みに欠けるという問題点があっ た。

[0006]本売明は、かかる問題点を解決すべくなされたもので、質用表示や質用組合せの配別に沿ったライン表示等を表示するととができ、表で、 ゲーム媒体が投入された際に、媒体数に応じてライン表示するようにして、変化に富み、ゲームの面白みが増進したスロットマシンを提供することを目的とする。 [0007]

【課題を解決するための手段】かかる目的を解決するた め、本発明の要旨とするところは、投入口へのゲーム媒 体の投入とゲーム開始スイッチの操作により絵柄表示器 の複数の絵柄を変化させ、所定の停止タイミングで各絵 柄の変化を停止させるスロットマシンにおいて、各絵柄 の前面に配置された液晶前面表示器と、前記液晶前面表 示器に所定の表示を表示させる前面表示制御手段と、前 記複数の絵柄表示器はそれぞれ前記絵柄を同時に複数表 示する構成と、前記投入口に投入された前記ゲーム媒体 の真偽の識別部と、各絵柄のうち直線状に配列される絵 柄による複数の所定の組合せから、前記識別部により真 正と識別された前記ゲーム媒体の個数に応じて、所定の 賞出組合せを設定する賞出組合せ設定手段と、変化を停 止後の各絵柄の組合せが、前記賞出組合せ設定手段によ り設定された前記賞出組合せと一致するか否かを判断す る賞出判断手段と、前記賞出判断手段が前記賞出組合せ と一致すると判断したとき、賞出を行う賞出手段とを有 し、前記前面表示制御手段は、前記ゲーム媒体が投入さ れた際に、前記賞出組合せ設定手段により設定された前 記賞出組合せの各絵柄の配列に沿ったライン表示を前記 液晶前面表示器に表示し、かつ、前記ゲーム媒体が投入 されない状態では、前記液晶前面表示器に前記ライン表 示を表示しない構成を有することを特徴とするスロット マシンに存する。

[0008]

【作用】絵柄表示器の絵柄の前面で、液晶前面表示器

は、前面表示制御手段により、部分的に遮光状態と透過 状態とで変化して所定の表示を行う。

【0009】表示制御手段が液晶前面表示器に賞出表示 を表示させる場合や、音または振動発生手段を有する場 合には、賞出の際の変化に富む。

【0010】また、表示制御手段が賞出組合せの各絵柄の配列に沿ったライン表示を表示させる場合には、賞出組合せとなる配列を把握しやすい。

【0011】また、ゲーム媒体が投入されない状態では、液晶前面表示器にライン表示を表示していないで、 ゲーム媒体が見入された際に、電出組合・世紀正程により設定された質出組合せの各終所の配列に沿ったライン表示を逸品前面表示器に表示する。それにより、ラインが光り、ゲーム媒体を投入することによる頻繁性を増すことができる。

[0012]

【実施例】以下、図面に基づき本発明の一実施例を示して 定説明する。図1~図4は、本発明の一実施例を示して いる。図2に示すように、スロットマシン10は、箱体 11の正面11 aに縦長の3個の液晶旋射表示器20 a、20b、20cを横方向に連設している。流晶旋柄 表示器20a、20b、20cは、表示される絵柄24 をバックライトにより明るく輝いて見えるようにするも のである。

【0013】液晶絵柄表示器20a、20b、20cの 前面の正面11aには、液晶前面表示器40が設けられ ている。液晶前面表示器40は、各絵柄24の前面に配 置され、液晶ガラスを用い、通常は透光状態であるが、 通電により部分的に遮光状態に変化して表示を行うよう になっている。液晶絵柄表示器20a,20b,20c の下方には、それぞれに対応して3個の停止操作スイッ チ25a, 25b, 25cが設けられている。停止操作 スイッチ25a. 25b. 25cは、液晶絵柄表示器2 0 a. 20b. 20cの絵柄24の変化の停止タイミン グを選択するための停止ボタンである。また、正面11 aには、ゲーム媒体として用いられるメダルの投入口1 2と、ゲーム開始スイッチ13とが形成されている。ス ロットマシン10の内部には、投入口12に投入された メダルの真偽を識別する識別部14が設けられている。 【0014】また、スロットマシン10の内部には、図 3に示す制御装置30が設けられている。制御装置30 は、絵柄表示制御手段31と、賞出組合せ設定手段32 と、賞出判断手段33と、前面表示制御手段34とが設 けられている。絵柄表示制御手段31は、識別部14が 投入されたメダルの真正を識別したとき、ゲーム開始ス イッチ14の操作に応じて、3個の液晶絵柄表示器20 a, 20b, 20cのそれぞれに、縦方向に絵や記号、 数字、文字等の複数種類の絵柄24を上または下方に滑 るように変化させて表示させるようになっている。ま た、絵柄表示制御手段31は、所定の停止タイミング、

すなわち、3個の停止操作スイッチ25a, 25b, 2 5cの操作により選択された停止タイミングで、3個の 液晶絵柄表示器20a, 20b, 20cのうち対応する 液晶絵柄表示器の絵柄24の変化を停止するようになっ ている。

【0015】電訊網合せ選延手段32は、各絵所24の うち直線上に限列される絵所24による複数の所近の組 合せから、認列部14により裏正と認例されたメダルの 棚数に応じて、電出組合せき設定するようになってい る。電出判断手段33は、流温絵柄表示器20a、20 b、20cの、変化を停止機の各絵所24の組合社が所 定の實訊組合せ、すなわち、實出組合せ設定手段32に より設定された質出組合せと一要するか否かを判断する またになっている。

【0016】前面表示制即手段34は、混烏前面天衛 40に、當出組合社設定手段32により設定された雪出 組合せの各統暦24の配列に沿ったライン表示35a~ 35eを、各級暦24の配列に光示させるようになっている。また、前面未示制助手序43 3が實出組合せと一致すると判断したとき、流晶前面表示器40に所定の質出表示を表示させるもうになっている。所定の質出表示を表示させるようになっている。所定の質出表示を表で表としては、賞出判断手段33が質出組合せと一致すると判断した各核暦24の配列に沿ったライン表示35a~35eの成表表示や、液晶前面表示。 器40の、賞出判断手段33が賞出組合せと判断した各 終程24に対応する位置を限んで点減する仲表示36等 核程24に対応する位置を限んで点減する仲表示36等 が表示されるようになっている。

【0017】図4(A)に示すメダルを投入しない状態 に対し、賞出組合せとそれに対応するライン表示35a ~35eは、例えば、識別部14により識別されたメダ ルの個数が1個のときには、図4(B)にライン表示3 5aで示すように、3個の液晶絵柄表示器20a,20 b, 20cによって、それぞれの中段で3個の賞出絵柄 24. 例えば『7』が真様に並ぶ組合せである。また、 メダルの個数が2個のときには、図4(C)にライン表 示35a~35cで示すように、3個の液晶絵柄表示器 20a, 20b, 20cによって、それぞれの上段、中 段、下段のいずれかで3個の賞出絵柄24が真構に並ぶ 組合せである。また、メダルの個数が3個のときには、 図4(D) にライン表示35a~35eで示すように、 3個の液晶絵柄表示器20a, 20b, 20cによっ て、それぞれの上段、中段、下段のいずれかで3個の賞 出絵柄24が真横に並ぶ組合せか、左側の液晶絵柄表示 器20aの下段と中央の液晶絵柄表示器20bの中段と 右側の液晶絵柄表示器20cの上段とで3個の同種の絵 柄24が斜めに並ぶ組合せか、あるいは、左側の液晶絵 柄表示器20aの上段と中央の液晶絵柄表示器20bの 中段と右側の液晶絵柄表示器20cの下段とで3個の賞 出絵柄24が斜めに並ぶ組合せのいずれかの組合せであ 【0018】また、箱体11の内部には、音光生千段3 方が設けられている。音光生手段37は、貴出判断手段 33の判断に応じて、貴出があったことを知らせる音を 発生させるようになっている。また、箱体11には、貴出判 断手段33が貴出組合せと一致すると判断したとき、箱 体11の下部に設けられている。

【0019】制酵装図30は、絵柄表示制御手段31ま 電出組合せ設定年段32、電出判断手段33および前面 表示制御手段34の機能を、プログラム可能でマイクロ コンピュータ、または、これと同等のものを適宜に用い で実現するとができ、例えば、マイクロコンピュータ で実現するとすれば、中央処理装置、リードオンリーメ モリ、ラングムアクセスメモリ、インターフェース等を 損えて構成する。

【0020】次に、作用について説明する。ゲームを行 う場合、まず、投入口12に、設定しようとする賞出報 合せに応じた個数のメダルを投入する。すなわち、図4 の(B)に示すように1つの賞出組合せを設定する場合 には、1個のメダルを投入し、図4の(C)に示すよう に3つの賞出組合せを設定する場合には、2個のメダル を投入し、図4の(D)に示すように5つの賞出組合せ を設定する場合には、3個のメゲルを投入も、

【0021】投入したメダルが識別部14により宣正と 識別されると、識別された個数に応じて賞出組合せ設定 手段32により賞出組合せが設定されるとともに、前面 表示制御手段34により、投入した個数に応じて、図1 (A) に示すように、液晶前面表示器40にライン表示 35a~35eが表示される。液晶前面表示器40は、 通常は透光状態であって、正面側に液晶絵柄表示器20 a, 20b, 20cの各絵柄24を見せているが、前面 表示制御手段34により表示が行われる場合には、各絵 柄24の前面で、表示が行われる部分が通常により遮光 状態に変化して所定の表示が行われる。このライン表示 35a~35eは、図4の(B)、(C)、(D)で示 す太線に対応して表示される。ライン表示35a~35 eにより、賞出組合せとなる配列を把握しやすくなるた め、ゲームの面白みが増進するものである。なお、メダ ルを投入しない状態では、液晶前面表示器40にライン 表示35a~35eは表示されていない。次に、ゲーム 開始スイッチ13を押して操作すると、絵柄表示制御手 段31により、3個の液晶絵柄表示器20a,20b, 20cに表示された絵柄24が、複数種類の絵柄で次々 と上から下へ、または下から上へと滑るように変化して 表示される。

【0022】このとき、停止操作スイッチ25a, 25 b, 25cを押すと、その操作に応じた停止タイミング で、対応する液晶絵解表示器20a, 20b, 20cの 絵柄24の変化が停止する。停止した絵柄24が實出組 合せのいずれか、または、すべてと一致するとき、すな わち、協議前面表示器40に表示されるライン表示35 a~35eのいずれかと重なって質出絵構24が表示さ れたとき、賞出判断手段33により、賞出手段38は賞 出版39ペメゲルを賞出する。

【0023】電出と同時に、音発生手段ラフが電出したことを知らせる音を発し、また、前面表示制御手段34 により、液晶前面表示器40には、常出表示が表示される。このように、弯出の際の変化に常にため、ゲームの面口みが増進するものである。賞出表示としては、液晶前面表示器40には、常出場合せと一致した各条網24の配別に沿ったカライン表示35元~35元の点域表示36元とか表示された。またはこれらを適当に組み合せてもよい。これにより、どの提列で電出場合せが表示されたが全組らせたともに、昇半のをあれることができる。停止した終網24が間沿着させと一致しないときには、責出や、責出表示、音の発生のいずれも行われない。

【0024】流品絵柄表示器20a,20b,20cは、ドラム3を用いる場合に比べて、絵約24の個数と 寸法とを変えずに奥行を薄くすることができ、このため、スロットとシ10自体の奥行を薄くすることができる。なお、3個の液品絵柄表示器を有するものについて説明したが、3個に限るものではなく、2個以上のいかなる個数であっても、

【0025】また、本実施所では、絵格表示器として、 液晶が穷えにより表示を行う液晶統領表示器を用いてい るが、その代わりに、通常の、周囲に途間を付して回転 するドラムにより表示を行うものを用いてもよい。ま た、停止ダイミングは、停止操作スイッチの操作に応じ で選択されるほか、絵柄の表示の変化後、一定時間の総 適により自動物に選択されるものであってもよい。

[0026]また、メグルを投入しない状態で、流品前 両表示器にライン表示を表示しない代わりに、表示しう るすべてのライン表示を表示したり、あるいは、前回の ゲームで表示したライン表示をそのまま形して表示した りしてもよい。また、音発生手段が覚する音は、言葉を 形成する声であってもよい。また、音発生手段は、質出 が行われたときのほか、賞出が行われないときに、その ことを担らせる音を発するものであってもよい。また、 動発生手段を設けることにより、賞出が行われた場合の 迫力を増すようにしてもよい。 (0027)

【発明の効果】本発明に係るスロットマシンによれば、 液晶前面表示器が経熱の前面で、賞出表示や電出組合せ の配列に沿ったライン表示等の所定の表示を表示するこ とができ、液晶前面表示器が質出表示を表示すると、賞 出の際の変化と高み、液晶前面表示器が貫出報合せの各 絵柄の瓜列に沿ったライン表示を表示すると、質出組合 せとなる最列を把握しやすいため、ゲームの面白みが増 地するものである。さらに、ゲーム媒体が収入されない 状態では、液晶前面表示器にライン表示を表示していな いで、ゲーム媒体が投入された際に、質出組合せ設定手 段により設定された質出組合せの各絵柄の配列に沿った ライン表示を流晶前面表示器に表示するようにしたの で、ラインが光って、ゲーム媒体を投入することによる 明奮性を増し、遊技に対する射争心をあおることができ る。

【図面の簡単な説明】

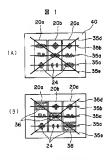
【図1】本発明の一実施例のスロットマシンの、賞出表示を表示した液晶絵柄表示器の概略正面図である。 【図2】スロットマシンの正面図である。 【図3】スロットマシンの機能を示すブロック図である。

【図4】賞出組合せを示す液晶絵柄表示器の概略正面図 である。

【符号の説明】

10…スロットマシン、11…箱依、12…投入口、1 3…ゲーム開始エイッチ、14…説別部、20a、20 b、20。…流品絵柄表示課。24…絵柄、25a、2 5b、25。…你上提作エイッチ、30…前時美麗、3 1…絵柄表示納師手段、32…賞出組合せ設定手段、3 35。電出制即手段、34…前面表示制師手段、35a~ 35e…ライン表示、36…枠表示、37…資発生手段、38…費出手段、39…費出正、40…液晶前面表示器。

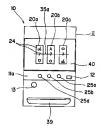
【図1】



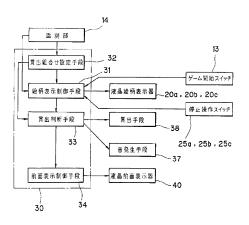
20c~20c:液晶維柄表示器 24:維柄 35c~35d:ライン表示 36:特表示 40:液晶削面表示器

[図2]

⊠ 2



(⊠3) ⊠ 3



【図4】



